TUNES2GO

TUNES2GO

Digital Media Player • Receiver • Bluetooth Handsfree

USER MANUAL AND INSTALLATION INSTRUCTIONS

Model: RUS-121B

Sondpex Corporation of America

Princeton, NJ 08540, USA

1-877-997-7888
732-940-4430

support@sondpex.com

www.sondpex.com

Thanks for your purchase!
Our car audio equipment lets you enjoy diversified functions and enjoy superior music quality. We hope you enjoy this product.

INDEX

Specification _____ P. 2

Installation _____ P. 3

Button and key functions _____ P. 5

Radio operation _____ P. 6

MP3 Play operation _____ P. 7

Clock operation _____ P. 8

Bluetooth operation _____ P. 8

Registration _____ P. 10

Electrical Connection Warning _____ P. 10

Troubleshooting _____ P. 11

Changing the fuse_____ P. 12

Detaching the front panel _____ P. 12

Connector cleaning _____ P. 12

CAUTION

- This unit is designed to operate on 12-volts DC, negative ground electrical system only, do not attempt to install this unit in a vehicle having a positive ground system. Please do not install the unit to a +24V truck, bus or RV, otherwise the machine will be damaged.
- You should not touch the high-polished playback head with any metallic or magnetic tools.
- Please do not replace the power fuse without professional guidance. Improper use of fuses may cause damage or fire.
- To avoid electric shock caused by short circuit, or any unnecessary damage and fire, please prevent the product from being exposed to a wet environment and water.
- Metal parts of this unit (especially on the back) become quite hot during operation, avoid touching parts other than the handle immediately after removing the unit.

Note:

1. When the machine is abnormal in operation, please tap the Reset key on the panel, the machine will resume to factory settings.
2. When the inside temperature of car is much higher or lower, please adjust the temperature in car first, then use the machine.
3. Avoid suffering strong shock or impact, which will damage structural components of the machine.
4. Operate the unit in accordance with the instruction manual, damage caused by mal-operation is not covered under warranty.
5. Your unit has a built-in filtering to eliminate most of the noise that might come through the power source. However, with some vehicles, particularly older models, some clicking or other unwanted noise might be present.

Specification:

Tuner Section:
Frequency Range _____ 87.5MHz-108MHz
Intermediate frequency_____ 10.7MHZ
Signal to noise ratio (S/N)_____ ≥50dB

Play Section:
Signal to noise ratio (S/N)_____ ≥50dB
Channel Separation (1KHZ) _____ ≥50dB
Voltage Harmonic Distortion_____ ≤5%
Frequency Response _____ 100Hz-10kHz (+6dB)

Amplifier Section:
Output _____ speaker output
Speaker Impedance _____ 4Ω-8Ω
Power source_____ 12V DC car battery
(the negative pole connect ground, see on the unit in detail)

Installation

Precautions

• Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
• Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where, it would be subject to dust, dirt or excessive vibration.
• Use only the supplied mounting hardware for a safe and secure installation.
• Be sure to remove the front panel before installation.
• If installation angle exceeds 60° from horizontal, the unit might not give its optimum performance.

Installing

1 .Before installing the main unit, please place the main unit at desired position, connect the speaker wire and power wire for test use.
2. After the working effect of the main unit is ideal, secure the main unit.

- **Install the main unit**

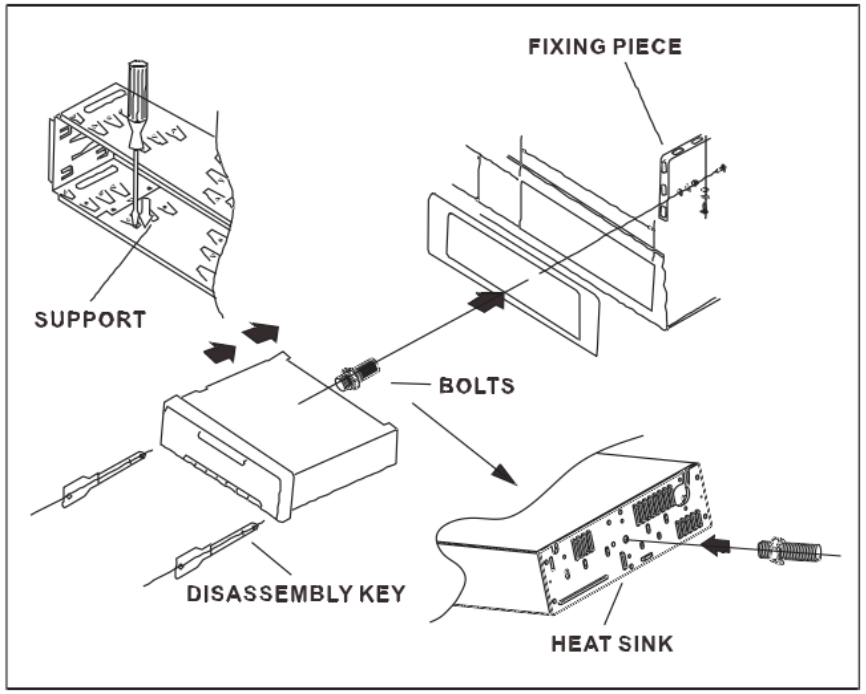
I. Install the support on the instrument panel of the car, bend the clamp of the support.

II. Connect the power wire and speaker wire, fix the fixing piece on the car.

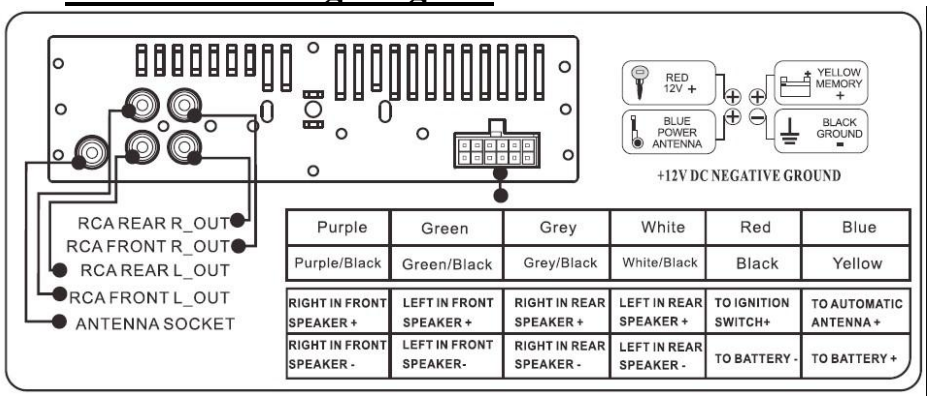
III. Insert the antenna plug, push the main unit into the support, and tighten the fixing nut of the fixing piece.

- **Disassemble the main unit**

Insert two disassembly keys into the left and right gap, make the keys hook the main unit, pull it out to remove the main unit from the support; then disassemble the connection wire and unplug the antenna plug.

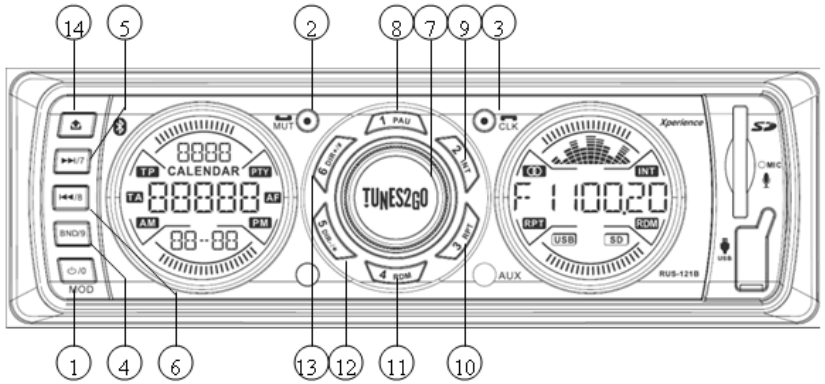


RUS121B Wiring Diagram



Purple	Green	Grey	White	Red	Blue
Purple/Black	Green/Black	Grey/Black	White/Black	Black	Yellow
RIGHT IN FRONT SPEAKER +	LEFT IN FRONT SPEAKER +	RIGHT IN REAR SPEAKER +	LEFT IN REAR SPEAKER +	TO IGNITION SWITCH+	TO AUTOMATIC ANTENNA +
RIGHT IN FRONT SPEAKER -	LEFT IN FRONT SPEAKER-	RIGHT IN REAR SPEAKER -	LEFT IN REAR SPEAKER -	TO BATTERY -	TO BATTERY +

Button and Key Function



1) ⏻/0 MOD button

Press this button when the unit is powered on to change the displaying mode (Radio→USB→SD→AUX→BT, when USB/SD/BT available.), press and hold to power off.

Under power off state, press the button to switch on the player.

2) MUT button

Press this button to mute the sound, press again to play sound again.

Press to pick up phone call when in Bluetooth mode is ON.

3) CLK button

Press this button to show the present time. Press and hold to edit the date and time settings. (See clock operation for details on how to set the date and time.)

Press this button to end phone call when Bluetooth mode is ON.

4) BND/9 button

Under radio mode, press to change the band/preset as: FM1-FM2-FM3. Press and hold to scan stations and saved the stations automatically.

Under USB/SD card mode, press to enter into track/number selection function, then use the volume button to select (for example: if you need to select the 12th song, first press BND button, then select the number 2 by turning the volume knob, press the volume knob to confirm, then turn the volume knob to select number 1, then press the 1 PAU button to confirm to display). Press and hold this button to go into the radio mode directly.

5) ▶▶|/7 button

Under the radio mode, press this button to automatically search the stations forwardly, press and hold to search for stations manually.

Under USB/SD playing mode, press to play the next song, press and hold to go fast forward through the current song.

6) |◀◀/8 button

Under the radio mode, press this button to automatically search the stations backwardly, press and hold to go back through stations manually. Under the USB/SD mode, press to play last song, press and hold to go back/rewind through the current song.

7) Rotary Volume

Turn the rotary Volume clockwise to turn up the volume, turn the rotary Volume counter-clockwise to turn down the volume. Press to enter into SEL function (Bass/Treble/Balance/Fader selection, LOUD ON/OFF selection, Preset EQ(Flat/Classical/Pop/Rock), BT setting (roll the volume knob to control settings according to what you need.). See Bluetooth operation for details.

8) 1 PAU

Under radio mode, press this button to choose preset 1, press and hold to save the present station to this button. Under the USB/SD playing mode, press this button to stop playing music temporarily, press again to play the music again.

9) 2 INT

Under radio mode, press this button to choose preset 2, press and hold to save the present station to this button. Under USB/SD playing mode, press this button to play a sample of each song. (Each song plays 10seconds).

10) 3 RPT

Under radio mode, press this button to choose preset 3, press and hold to save the present station to this button. Under the USB/SD playing mode, press this button to repeat the current song, press again to release from the repeat function.

11) 4 RDM

Under radio mode, press this button to choose preset 4, press and hold to save the present station to this button. Under the USB/SD playing mode, press this button to play songs at random, press again will release from random mode.

12) 5 DIR–/*

Under radio mode, press this button to choose preset 5, press and hold to save the present station to this button. Under the USB/SD playing mode, press this button to go back 10 songs, press and hold this button to read last folder from MP3 folders.

13) 6 DIR+/#

Under radio mode, press this button to choose preset 6, press and hold

to save the present station to this button. Under the USB/SD playing mode, press this button to skip ahead 10 songs. Press and hold to read the next folder from MP3 folders.

14) button

Press this button to release the detachable front panel.

Radio Operation

1) Preset stations

You can choose up to 18 stations to preset (6 stations for each- FM1 , FM2, FM3)

A. Press the BND button on the panel. Every time you press the button, the band will change as follows:

B. Press and hold the ⏭ button or ⏮ button to enter into manual mode; Press the ⏭ or ⏮ button repeatedly to change radio frequency by 0.1. (System will exit out of manual mode and back to scan mode if nothing is pressed after 3 seconds) After you choose the station/frequency, press any button Number 1-6, and hold the button for 2 seconds. This will preset the station you chose.

C. Press the BND button on the panel, and hold it for 2 second, the system will scan and preset the stations automatically. If you press any button, Number 1-6, it will play the preset station accordingly, and display the preset number.

If you try to preset another station in the same band and the same number button, the station you preset previously will be cancelled.

2) Play preset stations

A. Press the BND button to choose the band (FM1, FM2, FM3).

B. Pressing the Number button 1-6 will play the stations you preset.

Remark: If you do not have preset stations, you can press the ⏭ or ⏮ button, it will scan for available stations automatically and you preset as you scan.

MP3 Play Operation

1. Our system is setup to play any time you insert a USB flash drive or SD card. When it plays USB, the USB logo blinks , When it plays the SD/MMC card, the SD logo blinks.
2. Press the ⏭ or ⏮ button to play the next/last song; press and hold to go fast forward or rewind the song.
3. Press the number button 1 to pause the music, press it again to release from pause.
4. Press the number button 2 to enter or release from the look through play function (Intro). When using the look through play function, the unit will play each song for 10 seconds.
5. Press the number button 3 to enter or release from repeat play function.
6. Press the number button 4 to enter or release from random play function.
7. Press the number button 5 to go backwards 10 songs, press and hold to go to the previous MP3 folder.
8. Press the number button 6 to go forwards 10 songs, press and hold to go to the next MP3 folder.

Clock Operation

Press the CLK button to show the present time. Press and hold to edit the date and time settings. First you will edit the year setting, use the volume control button to adjust. Press again to set the month, using the volume control button to adjust. Repeat the same operation for setting the date, hour and minute. Under time editing, press and hold the CLK button to choose the 24-hour or 12-hour format. (System will exit out of date/time editing by pressing CLK after minute time is set)

Bluetooth Operation

1. Bluetooth connection instruction

1) Press and hold the rotary volume to exit and enter into Bluetooth mode(abbreviated BT)
2) Under the BT ON mode, the player can be matched to your mobile phone (The default code is “0000” and the name of the player is “TUNES2GO”);
3) Then you can press the MODE button switching to BT mode and can operate the Bluetooth function.

2. Bluetooth operating function:

1) (MUT)

Under the Bluetooth displaying mode, press this button for switching to phone calling mode, then you can choose the number by 0-9 button. Press to release the call. Under the phone calling mode, press to repeat the last call if no numbers were put in. If there is a call, press this button to answer, press and hold to answer the call in private.

2) (CLK)

Under the phone calling mode, press this button to cancel/delete the last number entered. If there is an incoming call, press it to reject the call. During the call, press this button to end the call.

3) 1/ button

Under the Bluetooth displaying mode, press this button to pause. Under the phone calling mode, press this button means to choose number 1.

4) 2/INT button

Under the phone calling mode, press this button means to choose number 2.

5) 3/RPT button

Under the phone calling mode, press this button means to choose number 3.

6) 4/RDM button

Under the phone calling mode, press this button means to choose number 4.

7) 5/DIR-/* button

Under the phone calling mode, press this button means to choose number 5, press and hold for choosing *.

8) 6/DIR+/# button

Under the phone calling mode, press this button means to choose number 6, press and hold for choosing #.

9) /7 button

Under the phone calling mode, press this button means to choose number 7.

10) /8 button

Under the phone calling mode, press this button means to choose number 8.

11) BND/9

Under the phone calling mode, press this button means to choose number 9.

12) 0 button:

Under the phone calling mode, press this button means to choose number 0.

Remark:

1. The Bluetooth function of the phone should be matched with this player, and then it can be switched to Bluetooth mode, the Passkey for setting Phone match is “0000” by default.
2. Before matching the player to the phone, you need to switch on the Bluetooth function of the player.
3. Under the power off status (Bluetooth on), incoming calls will activate the unit and show the incoming phone number in the LCD screen. After finishing the call, it will automatically switch to the previous status.

Registration

To register your product visit: **Sondpex.com/register**

Thank you for purchasing a Sondpex product. We pride ourselves on the quality and reliability of all our electronic products but if you ever need service or have a question, our customer service staff stands ready to help. Contact us at Sondpex.com

Registering your product will serve as proof of purchase in case anything ever happens to it. Registering will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.

Electrical Connection Warning

Many vehicles are pre-fitted with ISO connectors behind the dash, including all the electrical cabling for a car radio. In such cases, the connections fitted to the vehicle can be directly plugged into the car radio connectors. Should your car not be pre-fitted with these connectors, we strongly advise you to obtain the ISO wiring loom fitted with the male connector for connection to your car radio either from a specialist shop or from the concessionaire for your vehicle. Once obtained, you will only need to connect your loudspeakers and the power supply to the ISO connector.

CAUTION:

- INCORRECT WIRING OR OPERATION WILL VOID THE WARRANTY OF THIS UNIT.

- THE ISO CONNECTOR MUST NOT BE CUT.
- THE UNIT HAS 2 SEPARATE AMPLIFICATION STEPS. WHEN TWO SPEAKERS ARE CONNECTED DO NOT CONNECT THE WIRES TOGETHER BUT CHOOSE FRONT OR REAR.
- THE RED WIRE MUST BE CONNECTED BY THE CAR IGNITION KEY IN ORDER TO AVOID DRAINING THE CAR BATTERY.

TROUBLESHOOTING

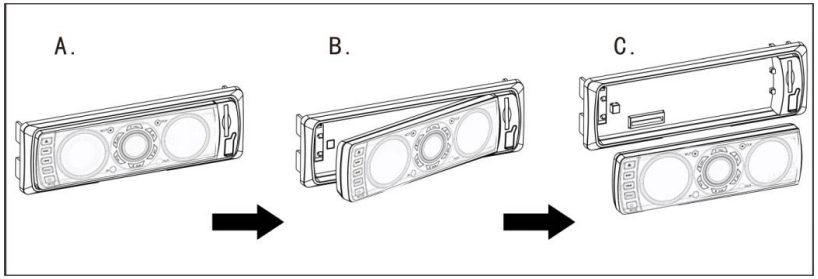
Before going through the check list, check wiring connection, if any of the problems persist after check list had been made, consult your nearest service dealer.

Symptom	Cause	Solution
Failure of being powered on	The car ignition switch is not ON	If the power supply is properly connected to the car accessory terminal switch the ignition key to "ACC"
	The fuse is blown	Replace the fuse
No sound.	Volume is in minimum.	Adjust volume to a desired level
	Wiring is not properly connected.	Check the wiring connection
Failure of Radio	Antenna is not pulled out or connection is wrong.	Properly connect the antenna and pull it out as long as possible
	Weak signal	Rotate the antenna to proper direction
The radio station automatic selection does not work.	The signals are too weak.	Select a station manually
Failure of reading USB or SD/MSD	Poor contact	Pull out the memory card and reinsert it
Noises and sound distortion	Speaker cables are pressed by screws	Check the speaker cables
	Speaker cables are short-circuited	Properly connect wires.
Stop working	CPU can not work normally	Turn off the power and power it on again.
	Files are damaged	Skip this file and please select next file

1. Changing the fuse

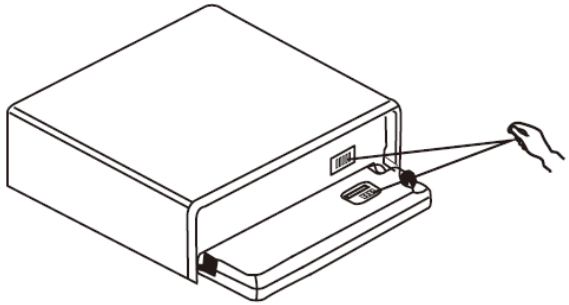
Please make sure the amperage matches with all other fuses before changing them. If the fuse is burnt check the power supply first and then change the fuse. If the fuse is burnt again there may be internal problems, please contact the dealer.

2. Detaching the front panel



3. Connector cleaning

If the connector of the unit and the panel is dirty the unit may not work normally. In order to prevent this please remove the front panel and clean the connectors with spirituous cotton as shown on the picture below.
CAUTION: For safety please switch off the engine and take the key out of the ignition before you clean the connector. Do not use your fingers or any metal to touch the connectors.



Note: This manual instruction is for reference. Design and specifications are subject to be changed without notice.